

MFA Wildlife Management Plan

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1. Purpose

This purpose of this Plan is to identify requirements and procedures for compliance with applicable Federal regulations concerning wildlife, plants, and associated habitat at Moffett Federal Airfield (MFA) and to identify goals and strategies to assure such compliance. Under this Plan, Tenant shall cooperate with Landlord in efforts to manage wildlife and wildlife habitat in a manner consistent with Applicable Laws. Nothing in this plan shall be construed to limit rights of Tenant under Lease (as identified in Section 7 below), and in the event of a conflict between this plan and the Lease or its other attachments, the terms and conditions of this document shall be subordinate.

Due to its proximity to San Francisco Bay, the availability of undeveloped wetlands, and large areas of grassland, MFA supports distinct habitats including grasslands and wetlands. These habitats support a diverse population of plant and animal species. MFA is also home to a burrowing owl population. The United States has recognized that various species have aesthetic, ecological, educational, and scientific value to the nation and its people. Among the goals of this plan is to promote the continued existence of any endangered or threatened species, and mitigate the destruction or adverse modification of any designated critical habitat.

2. Applicability

This Plan applies to Tenant and its on-site support service contractors. A requirement is identified by “shall,” a good practice by “should,” permission by “may” or “can,” expected outcome or action by “will,” and descriptive material by “is” or “are” (or another verb form of “to be”).

3. Authority

- 3.1. Marine Mammal Protection Act (16 U.S.C. §§1361-1407)
- 3.2. Wild and Scenic Rivers Act (16 U.S.C. §1274 et seq.)
- 3.3. Fish and Wildlife Coordination Act (16 U.S.C. §§661-666c)
- 3.4. Magnuson Fishery and Conservation and Management Act (16 U.S.C. §§1801-1862)
- 3.5. Lacey Act (16 U.S.C. §§3371 – 3378)
- 3.6. Endangered Species Act (ESA) of 1973, as amended (50 CFR Part 17)
- 3.7. Migratory Bird Treaty Act of 1918, as amended
- 3.8. California Fish and Game Code §§2050-98
- 3.9. California Native Plant Protection Act of 1977, as amended
- 3.10. California Endangered Species Act of 1984, as amended
- 3.11. Bald and Golden Eagle Protection Act (BGEPA)
- 3.12. National Environmental Policy Act (NEPA)

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4. Applicable Documents

- 4.1. MFA MIMP
- 4.2. MFA Wildlife Hazard Management Plan
- 4.3. NASA Ames Research Center Burrowing Owl Habitat Management Plan

5. Other Related Documents

- 5.1. NASA Ames Research Center Squirrel Management Plan
- 5.2. NASA Ames Research Center Western Pond Turtle Management Plan
- 5.3. NASA Ames Research Center Pet Policy
- 5.4. NASA Ames Research Center Feral Cat Plan

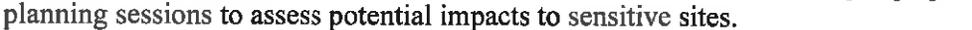
6. Responsibilities

6.1 Landlord shall:

Identify a Natural Resources Manager (NRM) to serve as Point of Contact for communications with Tenant regarding actions under this Plan.

6.2 Landlord may:

- 6.2.1 Maintain and review Threatened, Endangered or Species of Special Concern lists to determine if such species occur at MFA.
- 6.2.2 Suggest appropriate conservation and protection arrangements for habitat.
- 6.2.3 Conduct periodic surveys to determine the presence of regulated species.
- 6.2.4 Maintain an accurate inventory of all MFA habitat areas that may be affected by ongoing and planned operations.
- 6.2.5 Periodically delineate wetlands for verification by the U.S. Army Corps of Engineers if needed to maintain up-to-date and valid delineations for MFA.
- 6.2.6 Review construction and maintenance projects requiring building permits to ensure compliance with the Endangered Species Act (ESA) and related laws and regulations.
- 6.2.7 Review any technical Tenant-provided biologic studies.
- 6.2.8 Act as a technical point of contact for regulatory agency interface and correspondence.
- 6.2.9 As requested by and in coordination with Tenant, serve as point of contact for regulatory agency interface and correspondence to assist in obtaining any required permits or authorizations from relevant agencies.
- 6.2.10 (b) (4) 

 Participate in construction permit reviews and pre-project planning sessions to assess potential impacts to sensitive sites.

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- 6.2.11 Monitor and ensure Tenant's compliance with the NASA Ames Research Center Burrowing Owl Habitat Management Plan
- 6.2.12 Conduct outreach for personnel regarding wildlife and conservation management activities and inform potentially affected personnel and organizations of all changes in Federal, State, and local regulations.
- 6.2.13 Maintain Ames Research Center environmental GIS Layer including MFA.
- 6.2.14 Review depredation and salvage permits.

6.3 Tenant and Its Contractors shall:

- 6.3.1 Identify a Wildlife Compliance Coordinator to serve as Point of Contact for communications required in this Plan.
- 6.3.2 Monitor ongoing MFA operations and activities to ensure that they comply with Applicable Laws and the documents listed in Sections 4 and 5 of this Plan regarding regulated species. Periodically and upon request (but no more often than quarterly), Tenant will submit results of such monitoring activities to Landlord.
- 6.3.3 Cooperate with Landlord in Center-wide wildlife-related programs and plans.
- 6.3.4 Pay rent as required by the Lease, a portion of which is allocated to ISP to support Landlord's activities described in this Plan including but not limited to:
 - 6.3.4.1 NASA Ames' annual Burrowing Owl Ecology Study
 - 6.3.4.2 NASA Ames Predator Management Program
 - 6.3.4.3 NASA Ames Wildlife monitoring and oversight efforts
- 6.3.5 Consider wildlife issues in proposing projects and developing plans.
- 6.3.6 Coordinate with the Landlord as appropriate in determining if regulated species may be affected by proposed actions.
- 6.3.7 Notify the Landlord as appropriate if any construction or project management changes may affect endangered, threatened or other regulated species.
- 6.3.8 Coordinate with the Landlord concerning U.S. Fish and Wildlife Service or Army Corps of Engineer permits.
- 6.3.9 Comply with the NASA Ames Research Center Burrowing Owl Habitat Management Plan
- 6.3.10 Comply with Applicable Laws regarding pesticides, rodenticides, and/or herbicides.
- 6.3.11 Provide Landlord advance notice prior to conducting large-scale squirrel control activities and incorporate an owl protection plan in such large-scale squirrel control activities.
- 6.3.12 Cooperate in wetlands delineations conducted by Landlord.

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- 6.3.13 Prepare and submit California Natural Diversity Database (CNDDDB) Field Survey Forms for species observed in biological surveys. Provide copies of such reports to Landlord.
- 6.3.14
- 6.3.15 Participate in required wildlife training including education of personnel about the importance of not feeding wildlife.
- 6.3.16 Enforce Ames Pet Policy.
- 6.3.17 Report “Abuse of Animal” complaints to proper authorities.

7. Definitions

Capitalized terms used in this Wildlife Management Plan, but not otherwise defined herein shall have the meaning given to such terms in (1) that certain Adaptive Reuse Lease Agreement between National Aeronautics and Space Administration and Planetary Ventures, LLC Regarding NASA Ames Research Center Eastside/Airfield and (2) Applicable Laws such as the Federal Endangered Species Act of 1973 or Migratory Bird Treaty Act of 1918.

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Appendix A: Regulated Species List

Threatened & Endangered Plants near MFA

No threatened & endangered plant species are known to occur at MFA. However, MFA does contain potentially suitable habitat for the following species (see table).

Plant species	
Common name	Scientific name
Robust spineflower	<i>Chorizanthe robusta robusta</i>
California seablight	<i>Suaeda californica</i>
Hickman's cinquefoil	<i>Potentilla hickmanii</i>
Point Reyes meadowfoam	<i>Limnanthes douglasii sulphurea</i>
Mason's lilaeopsis	<i>Lilaeopsis masonii</i>
Congdon's tarplant	<i>Hemizonia parryi congdonii</i>
Delta tule pea	<i>Lathyrus jepsonii jepsonii</i>
Ferris's milk-vetch	<i>Astragalus tener ferrisiae</i>
Hairy gumweed	<i>Grindelia hirsutula hirsutula</i>
Maple-leaved checkerbloom	<i>Sidalcea malachroides</i>
Point Reyes bird's beak	<i>Cordylanthus maritimus palustris</i>
Slender-leaved pondweed	<i>Potamogeton filiformis</i>

*The Federal, state, and CNPS lists are updated on a regular basis.

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Endangered, Threatened, Animal Species at MFA

The following animal species may occur at MFA.

Animal species	
Common name	Scientific name
Ridgway's rail	<i>Laterallus obsoletus</i>
Western pond turtle	<i>Clemmys Marmorata</i>
American peregrine falcon	<i>Falco peregrinus anatum</i>
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>
Western burrowing owl	<i>Athene cunicularia hypugaea</i>

Federally Endangered, Threatened, and CSSC Animal Species at NASA Ames

The following animal species may occur elsewhere at NASA Ames.

Animal species	
Common name	Scientific name
Salt marsh harvest mouse	<i>Reithrodontonys raviventris</i>
Western pond turtle	<i>Clemmys Marmorata</i>
California least tern	<i>Sterna antillarum browni</i>
California clapper rail	<i>Laterallus longirostris obsoletus</i>
American peregrine falcon	<i>Falco peregrinus anatum</i>
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>

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Animal species	
Bank swallow	<i>Riparia riparia</i>
American white pelican	<i>Pelecanus erythrorhynchos</i>
Black skimmer	<i>Rhyncops niger</i>
California gull	<i>Larus californicus</i>
California horned lark	<i>Eremophila alpestris actia</i>
Double-crested cormorant	<i>Phalacrocorax auritus</i>
Golden eagle	<i>Aquila chrysaetos</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>
Northern harrier	<i>Circus cyaneus</i>
White-tailed kite	<i>Elanus leucurus</i>
Saltmarsh common yellowthroat	<i>Geothlypis trichas sinuosa</i>
Western burrowing owl	<i>Athene cunicularia hypugaea</i>
Swainson's hawk	<i>Buteo swainsoni</i>
Short-eared owl	<i>Asio Flammeus</i>

*The Federal and state lists are updated on a regular basis.

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Document History Log		
<u>Document Revision</u>	<u>Effective Date</u>	<u>Description</u>
Baseline	Lease Execution	established
		(e.g. updated Appendix B: Regulated Species List)